

(8) Applications – X nuclei in bioinorganic chemistry and biochemistry

Metals in biology – spin $I > 1/2$

- Li-7 (and many other alkaline/alkaline earth metals)
- Al-27 (mimicking Fe³⁺ in binding sites)
- V-51 (substitute for Fe, vanadium proteins)
- Co-59 (only organometallic biomolecule, vitamin B₁₂)